1. Change the name Jon to Jonathan.

sed -e 's/Jon/Jonathan/g' datebook

Text

Description automatically generated

We use s to substitute the name

2.Delete the first four lines.

Sed -e '1,4d' datebook

Text

Description automatically generated

1,4 are the lines that we want to remove with d

3. Print lines 7 through 11.

sed -n -e '7,11p' datebook

Text

Description automatically generated

7,11 are the lines we are looking for and p is to print

4. Delete lines containing Lane.

Sed -e '/Lane/d' datebook

Text

Description automatically generated

Lane is what we are looking for and d will delete

5. Print all lines where the birthdays are in October or December.

sed -rn '/^[^:]\*:[^:]\*:[^:]\*:(10|12)\//p' datebook

Text

Description automatically generated

6. Append three asterisks to the end of lines starting with Fred.

sed -e '/^Fred/a\\*\*\* ' datebook

Text

Description automatically generated

^Fred is to ensure the line starts with FRED, appended /a with 3 \*

7. Replace the line containing Jose with JOSE HAS RETIRED.

sed -e 's/.\*Jose.\*/JOSE HAS RETIRED\./g'



Jose is what we are looking for and we replace with /JOSE HAS RETIRED\.

8. Change Popeye 's birthday to 11/14/99. Assume you do not know Popeye's original birthday. Use a regular expression to search for it.

sed '/^Popeye Sailor:/s/:[^:]\*\(:[^:\/]\*\)$/:11\/14\/46\1/' datebook

Text

Description automatically generated

Popeye Sailor ^ searches for the name, the /s white space and numbers are searching for the birthday, The second half changes it to his birthday of 11/14/99

9. Delete all blank lines.

sed '/^$/d' datebook

Text

Description automatically generated

^is for the beginning anchor $ flags the end of the string, d for delete

10. Write a sed script that will

a. Insert above the first line the title - PERSONNEL FILE -.

b. Remove the salaries ending in 6 00 .

c. Print the contents of the file with the last names and first names reversed .

d. Append at the end of the file THE END .

Text

Description automatically generated

Source

<https://regexr.com/>